

# Weekly Report

11/30/2014-12/07/2014

## Reserach

I have finish the first version of cuda program based on op7, and the latest version on matlab is op14. The program works well on a small data I input (Fig.1) and the nvidia driver breaks down when the program read a large scale data(Fig.2). Unfortunately, I don't know the reason. I'm supposed to ask someone for help, maybe I handle cudamemory in a wrong way.

## Plan for next week

- Check my cuda program.
- Learn EM algorithm.

```
C:\WINDOWS\system32\cmd.exe

Data X:
Data X0
1.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 1.00 0.00
Data X1
1.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 1.00 0.00
5.3.2
A
0.50 0.00 0.00
0.50 0.00 0.00
0.00 0.00 0.00

0.00 0.00 0.00
0.00 0.00 0.00
1.00 1.00 0.00

0.00 0.00 0.00
0.00 0.00 0.00
0.00 0.00 1.00

0.00 0.00 0.00
0.00 0.00 1.00
0.00 0.00 0.00
```

Figure 1: work well



Figure 2: can't work